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**HSP 90 (amino acids 1-732), Human****Recombinant, His-tag, *E.coli***

Cat. No. HSP0501

Cat. No. HSP0551

**Size ; 1 mg****Size ; 100 µg**

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**Description** : HSP 90 is a human heat shock protein. In response to adverse change in their environment, cell from all organisms increase the expression of a class of proteins referred to as heat shock or stress protein. The Hsp90, a highly conserved stress-induced protein, is abundantly expressed in most tissues under nonstress conditions and is required for eukaryotic cell viability. Hsp90 is primarily a cytoplasmic protein and its function remains unknown. It exists in a dimeric form and has been observed to bind to several other cellular proteins such as retro-virus kinases, steroid receptor, heme-regulated protein kinase, actin and tubulin. Hsp90, fused to His-tag at N-terminus, was cloned into an *E. coli* expression vector and was purified to apparent homogeneity by using conventional column chromatography techniques.

**Form** : Liquid. 20 mM Tris-HCl, pH 7.4, containing 100 mM NaCl

**Molecular Weight** : 86.8 kDa (752 amino acids)

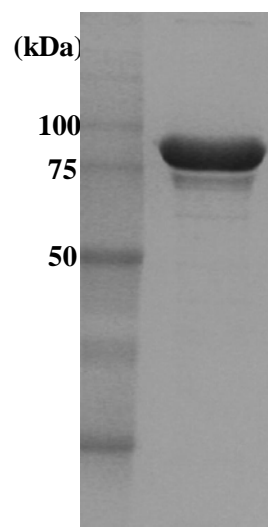
**Purity** : ≥ 90% by SDS PAGE

**Storage** : Store at -20 °C. Avoid freeze/thaw cycles.

**References** : Lai, B-T., *et al.*(1984) *Molecular & Cellular Biol.* **4**: 2802-2810.

Pritchard, K. A., *et al.*(2001) *J. Biol. Chem.* **276**:17621-17624

Miyamoto, A., *et al.* (2002) *Nature* **416**:865-869



10% SDS-PAGE